CLAIMS

- 1. Use of a hydrophilic support derivatised with positively charged groups, for sample application to an IPG (immobilised pH gradient) gel.
- 2. Use according to claim 1, wherein the IPG gel is an acidic interval IPG gel.

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- 3. Use according to claim 1 or 2, wherein the support is made of regenerated cellulose, dextran, agarose, polyvinylalcohol, polyether sulfone, polysulfone, cellulose acetate, polyurethane, polyamide, nylon or other types of membranes and composite membranes.
 - 4. Use according to claim 1, 2 or 3, wherein the positively charged groups are cation groups.
 - 5. Use according to claim 4, wherein the cation groups are quaternary groups.
 - 6. Use according to claim 5, wherein the quaternary groups are QAE or Q groups.
 - 7. Use according to claim 4, wherein the cation groups are DEAE- groups.
- 8. Use according to any of the above claims, wherein the IPG gel is a pre-swollen RTG (ready-to-go) gel.
 - 9. Use according to one or more of the above claims, wherein the support is made of regenerated cellulose derivatised with quaternary groups.
 - 10. Use according to claim 9, wherein the quaternary groups are Q-groups.
 - 11. Use according to one or more of the above claims, wherein the sample is applied in preparative amounts.
 - 12. Use according to one or more of the above claims, as a first step in 2D electrophoresis.
 - 13. Kit comprising a positively charged sample application support according to any of the above claims and an IPG gel or strip.

WO 2005/062032 PCT/SE2004/001872

14. Kit according to claim 13, wherein the IPG gel is a RTG-gel.

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- 15. Kit according to claim 14, wherein the RTG-gel is an acidic interval RTG-gel.
- 16. Kit according to claim 15, wherein the acidic interval is pH 3.5-5.
- 17. Kit according to one or more of the claims 13-16, wherein the support is made of regenerated cellulose derivatised with Q-groups.
- 18. Sample applicator for IPG electrophoresis, comprising regenerated cellulose derivatised with cation groups.
- 19. Sample applicator according to claim 18, comprising regenerated cellulose derivatised with
 Q-groups.